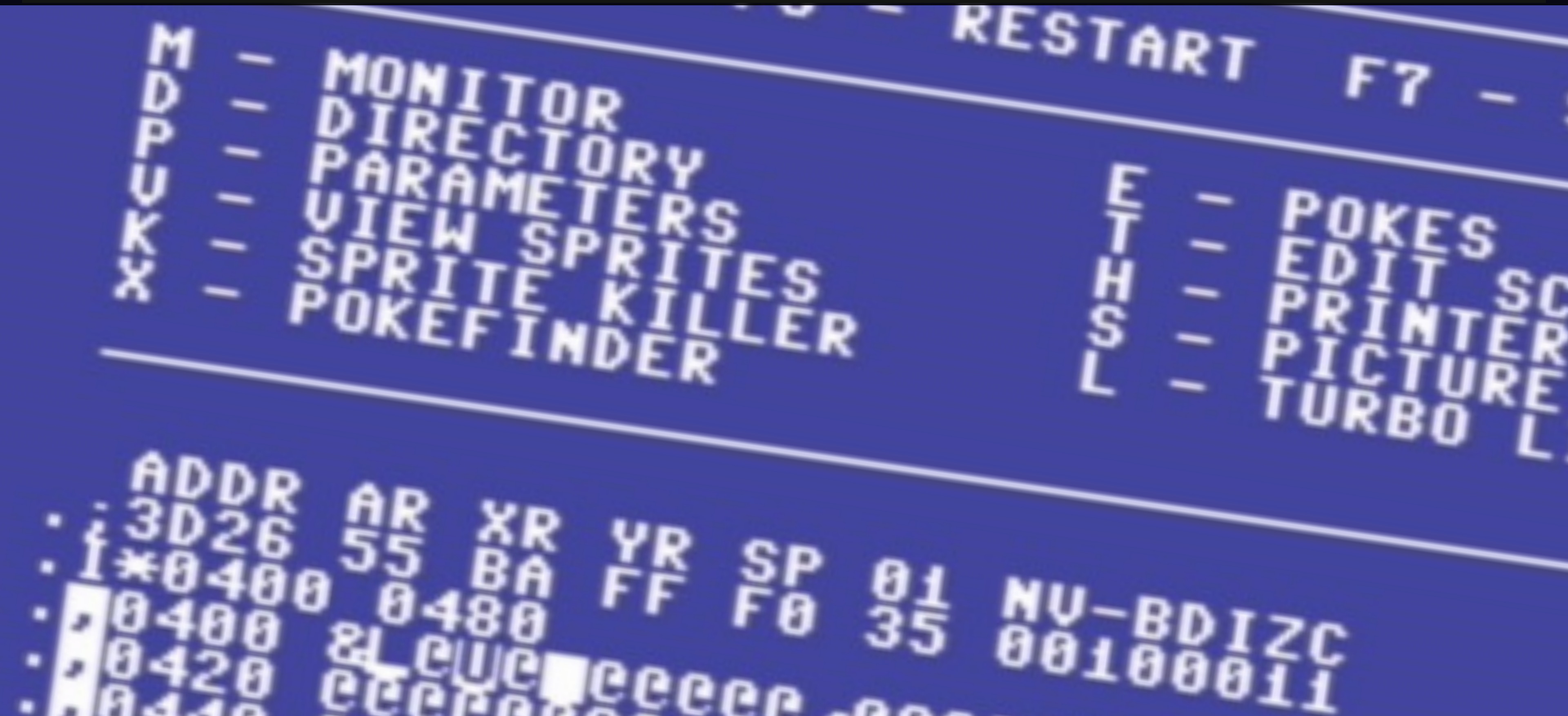


35 YEARS OF WWW

Working as a Content Creator, Designer and Developer With the Coolest Medium Ever



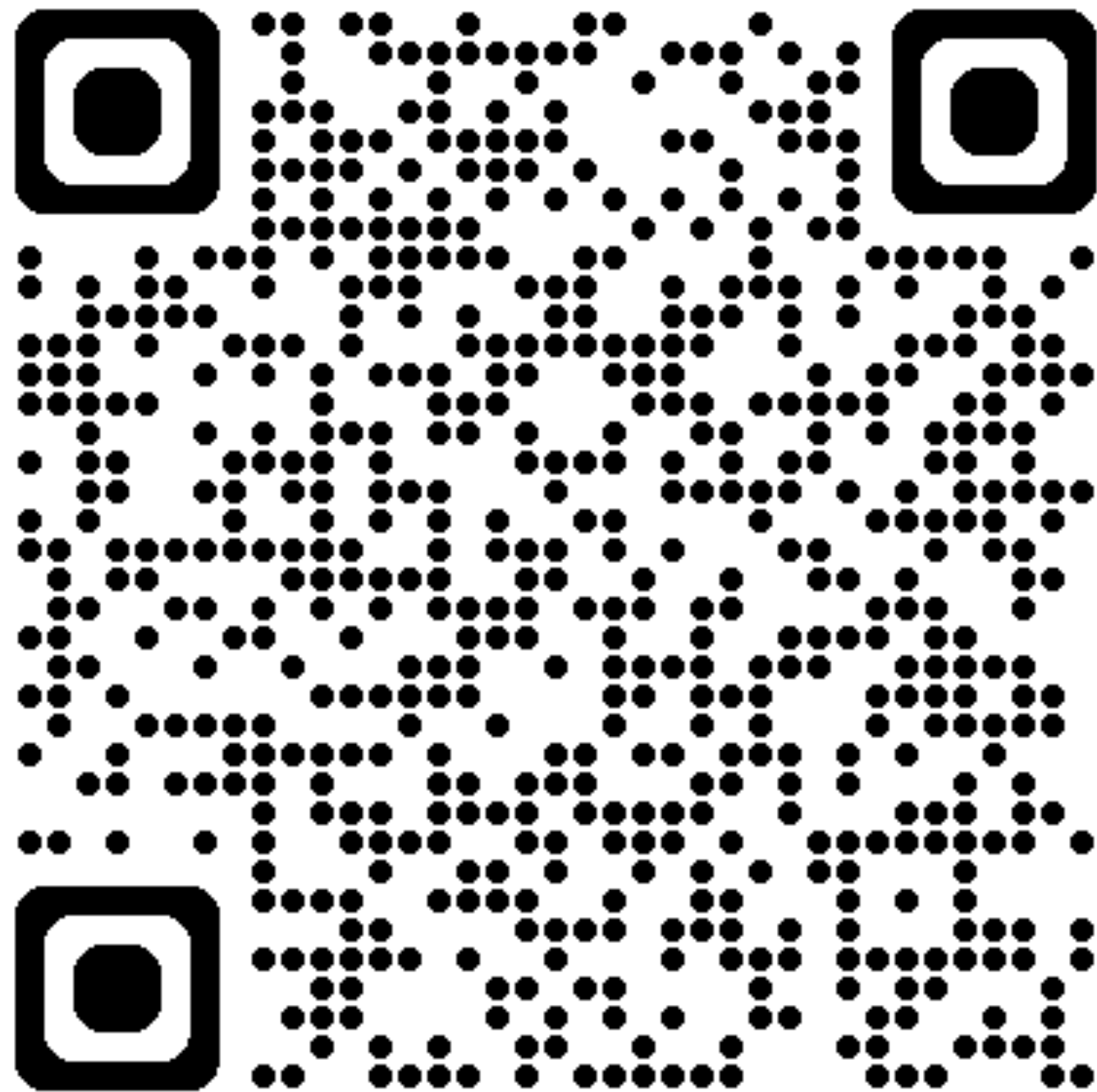
CHRIS HEILMANN (@CODEPO8), C3DEVFEST, AMSTERDAM 06/2024

Christian Heilmann @codepo8

- 😊 VP DevRel at WeAreDevelopers
- 😊 Wrote a few books and hundreds of articles
- 😊 Worked on some of the biggest web products
- 😊 ex-Yahoo(4y), ex-Mozilla(4y), ex-MSFT (8y)...
- 😊 Presented at 100 conferences
- 😊 Trainer LinkedIn, Skillshare...
- 😊 Worked on Firefox, Microsoft Edge, VS Code and Chromium DevTools

No university degree
No finished job education





[View in browser](#)



WeAreDevelopers Dev Digest

Issue 100 - with a new lick of paint

Hello fellow developer, welcome to the 100th edition of this newsletter. We asked what you'd like to see (read up on the [survey results here](#)), and made changes. Lots more links with details and a clearer layout. Do you like it?

News and Articles

- The Mac [turns 40](#), a [lot of praise](#) and an archive [of all its looks over](#) the years.
- [Critical Vulnerabilities](#) found in Open Source AI/ML Platforms.
- Key lessons learned on [my path from Engineer to VP](#).
- Vision Pro's first [killer app is the web](#) app-arently
- GrahamTheDev's excellent tutorial how to generate [a high fidelity GitHubReadMe](#) including responsive graphics and dark and light mode.
- Pier-Luc Brault [used Netscape Composer in 2024](#). I also started with this and it made me learn HTML instead.
- Shell scripting in JavaScript? [The Bun Shell](#) tries to make it easier.
- Paul Lewis with details on [browser rendering performance](#).
- [10 unexpected ways to use GitHub Copilot](#) - pull requests, CLI and more
- Stephanie Eckles writes about [12 CSS One-Line Upgrades](#) to your styles.

wearedevelopers.com/about/newsletter

Open	Soft Skills	46
Open	Product Quality, Code Quality, Testing	61
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Open	AI: Ethics, Privacy, Security, Safety	15
Open	AI: GenAI & Tools	101

WeAreDevelopers World Congress

THE WORLD'S LEADING EVENT FOR DEVELOPERS

17-19 July 2024 • Berlin,
Germany

TICKETS

SPONSOR

15000+
DEVELOPERS

8000
COMPANIES

500+
SPEAKERS

40k+
SQM EVENT SPACE



Open Soft Skills 4 46

Open Product Quality, Code Quality, Testing 4 61

Open Security 4 92

15% Off



Open AI: GenAI & Tools 5 101

W> WeAreDevelopers
World Congress

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WeAreDevelopers World Congress

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TICKETS

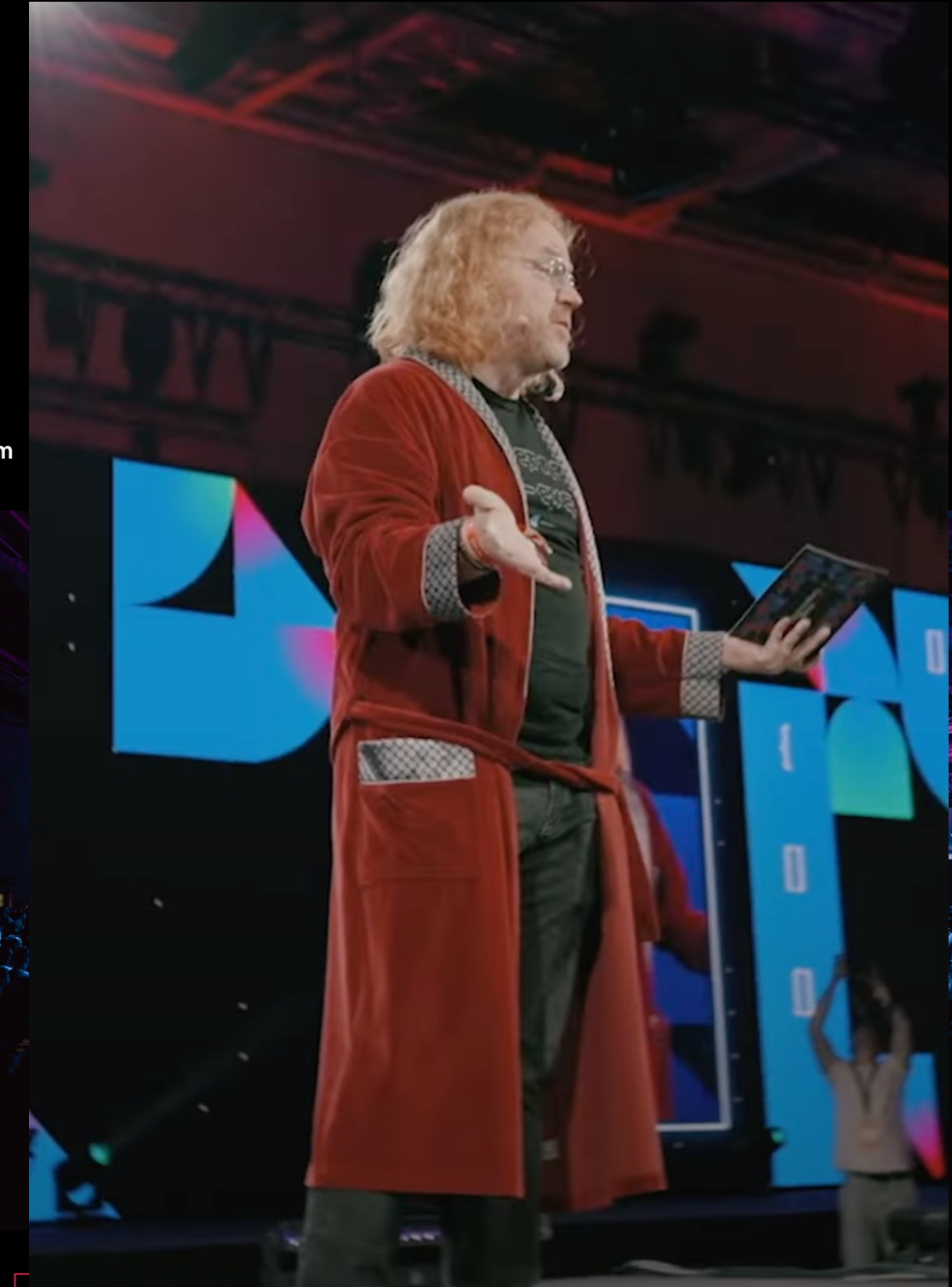
SPONSOR

15000+
DEVELOPERS

8000
COMPANIES

500+
SPEAKERS

40k+
SQM EVENT SPACE





MAN, I WAS
AWESOME!

(I GOT A BIT BETTER)

```
*** COMMODORE 64 BASIC V2 ***  
64K RAM SYSTEM 38911 BASIC BYTES FREE  
READY.  
  
10 PRINT "WHAT'S YOUR NAME ";  
20 INPUT A$  
30 B$="YOU AREN'T COOL"  
40 IF A$="CHRIS" THEN B$="YOU ARE COOL"  
50 PRINT B$  
READY.
```

IT ALL STARTED
WITH A FLOPPY...



Mini Floppy Disc No.
zweiseitig / double sided / 96 tpi

0786 / 19766

Linotype

R&D STANDARD FONT DISK

SEC:001

I SUCKED AT
PLAYING GAMES -
AND IT WAS
FRUSTRATING.



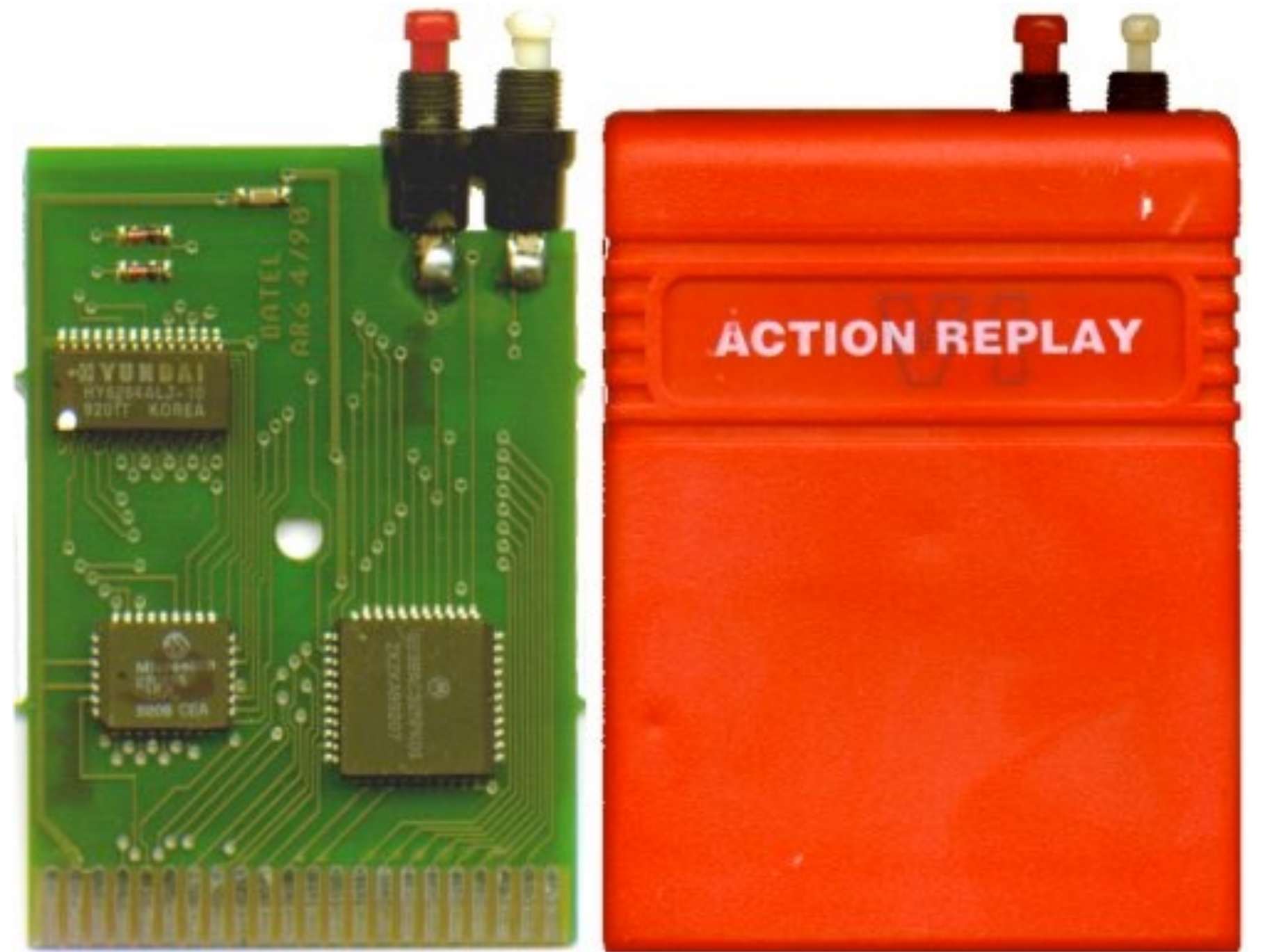
TCS → RUN →
ENDLESS LIVES!



THOSE CRACKERS
MUST BE
SOMETHING REALLY
SPECIAL!



OPEN SESAME!



FREEZE GAME →
EDIT SCREEN →
FIND LIVES COUNTER ADDRESS (F.E. \$0410) →
HUNT MEMORY FOR CE 10 04 (DEC \$0410) →
REPLACE WITH EA EA EA (NOP NOP NOP) →
ENDLESS LIVES!



THE DOOR WAS OPEN, AND I TOOK ONE
STEP AT A TIME AND KEPT EXPLORING!



THINGS I
LEARNED



THINGS I LEARNED

- Nothing can hold you back when you are good at analysing and repeating
- Everything you see on screen came from somewhere - it is never set in stone
- It is much more fun to explore and tweak than to get something handed to you

THINGS I LEARNED

- Working in a limited/unknown environment is a wonderful challenge
- You don't need to feel limited by the environment you target - you can use whatever you want to create for it
- The more people do this, the more best practices can be shared.

160 × 200 PIXELS

(ON A 320 × 200 PIXELS DISPLAY)

16 PREDEFINED COLOURS

1 SCREEN-WIDE

BACKGROUND COLOUR.

3 COLOURS IN EACH

8 × 8 (4 × 2) PIXEL

SQUARE



160 × 200 PIXELS
(ON A 320 × 200 PIXELS DISPLAY)

16 PREDEFINED COLOURS
1 SCREEN-WIDE
BACKGROUND COLOUR.
3 COLOURS IN EACH
8 × 8 (4 × 2) PIXEL
SQUARE



- MUCH BETTER TOOLING
- EXPERIENCE
- SHARED TRICKERY AND KNOWLEDGE
- LOVE FOR THE PLATFORM



HELLO, WEB



HELLO VIEW SOURCE

- A big part of my success on the web was using view source and reverse engineering
- We all did, don't let people tell you otherwise
- The lack of distance between creation and consumption was really down my alley...

THINGS LEARNED IN MY CAREER...

- You learn best by teaching
- Sharing and making people grow with you is the best feeling ever
- If you feel down and “not good enough”, create something - anything!

THINGS LEARNED IN MY CAREER...

- Languages, platforms and tools come and go...
- The main goal is to build things people can use, regardless of setup and ability...

THINGS LEARNED IN MY CAREER...

- Analysing, fixing and optimising code is much more important than writing it... (especially in this GenAI world)
- Clever solutions get you famous/promoted but hurt you in the long term...

THINGS I SAW FAILING

- Closed platforms – they move fast and die young
- People fixing the current web by patching it instead of contributing
- Products built in a hurry promoted to be fully useful

VIEW-SOURCE ON STEROIDS...

The screenshot shows a web browser at the URL `https://c3fest.com/#person-christian-heilmann`. The page content includes a bio: "He is the author of the Developer Advocacy Handbook, continuously updated since 2006 and the first JavaScript book to cover AJAX. He is a freelance writer for the German IT portal Golem and various online magazines He published videos for Visual Studio Code, helping them reach their 200k follower numbers on YouTube and breaking the 1.4M views barrier on TikTok for one video."

A developer tools overlay is visible on the left side of the page, showing accessibility information for a `div.sc-gilncl.gHUUHu` element with dimensions `810 x 508.03` and a padding of `50px`. The accessibility panel lists: Name, Role (generic), and Keyboard-focusable (disabled).

Below the bio, there is a section titled "Talk: 35 Years of WWW: Working as a Content Creator, Designer and Developer With the Coolest Medium Ever". To the right of this section is a vertical navigation menu with buttons for "GITHUB", "GITNATION PORTAL", "TWITTER", and "LINKEDIN".

The developer tools on the right side of the browser show the "Elements" panel with the following HTML structure:

```
<div data-focus-lock-disabled="false">
  <div>
    <div data-reach-dialog-overlay>
      <div aria-modal="true" role="dialog" tabindex="0" style="position: fixed; top: 0px; left: 0px; padding: 0px; overflow: hidden; position: fixed; width: 100%; height: 100%;">
        <button aria-label="popup close" class="sc-hBEYos dWjUC">...</button>
        <div id="popup-christian-heilmann" class="sc-giIncl gHUUHu">
          <div class="sc-hBEYos dWjUC">...</div>
          <div class="sc-giIncl gHUUHu">...</div>
        </div>
      </div>
    </div>
  </div>
</div>
```

The "Styles" panel shows the following CSS rules:

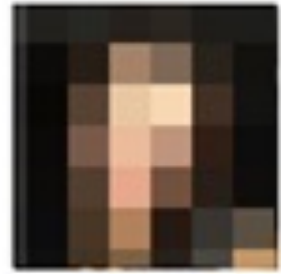
```
element.style {}
.gHUUHu {
  display: flex;
  padding: var(--sideSpacing);
  gap: var(--sideSpacing);
}
```

At the bottom of the browser window, there are several tabs open, including "christian-heilmann.sc-kstrdz.btjemE" and "div.sc-gilncl.gHUUHu".

DEVELOPER TOOLS MAKE THE DIFFERENCE...

- Developer Tools have replaced view source
- We have incredible insight into what our code does in the browser
- Of course, not everybody is ready for this...

WELCOME TO CYBER SPACE, HELP THE CYBER POLICE!



My facebook suddenly split in half and this screen popped up with all these random cyber space options and it was like watching and assessing things sooooo weird? and talking about child... and children being forced WTF???? is this some sort of cyber police thing that my IP was accedently allowed to access so i could help stop child abuse on the net or am i going crazy???? has this happened to anyone else??? — 🙄 feeling confused.

[Like](#) · [Comment](#) · [Share](#) · 10 hours ago

The screenshot shows the developer console of a web browser with the following error messages:

- 22:19:20.120 ⚠️ Unknown pseudo-class or pseudo-element '-webkit-input-placeholder'. Ruleset ignored due to bad selector. u_jefgZ13FH.css:48
- 22:19:20.120 ⚠️ Unknown pseudo-class or pseudo-element '-ms-input-placeholder'. Ruleset ignored due to bad selector. u_jefgZ13FH.css:51
- 22:21:37.103 ⚠️ Empty string passed to getElementById(). bt_j3dZp2y7.js:47
- 22:22:01.359 ⚠️ XUL box for div element contained an inline span child, forcing all its children to be wrapped in a block. -BBmvjPhaY1.js:97
- 22:23:17.983 ⚠️ Error in parsing value for 'left'. Declaration dropped. photo.php
- 22:25:28.965 GET https://3-p-06-ash2.channel.facebook.com/pull?channel=p_100004713670425...ion=137&clientid=2672074e&cb=1kz8&idle=-1&cap=0&mode=stream&format=json [HTTP/1.1 200]

HERE IS WHERE
WE COME IN.

- We are at the forefront of web media
- We are creators and makers - not consumers
- We have the privilege of open tools, an open platform and openly available documentation.

GETTING
STARTED HAS
NEVER BEEN
EASIER...

- Use GitHub to host your code, collaborate, execute your projects, write collaborative documentation and books...
- Use social media to promote these products, share knowledge and invite people to learn...

YOU'RE BUILDING ON EXISTING SOLUTIONS...

- Don't start from scratch - contribute to existing projects.
- You don't even need to code. Help with UX, or document, or herd communities.

USE YOUR
FRUSTRATION,
ANGER AND YOUR
DEVIOUSNESS
FOR GOOD...

- What we need more than ever right now is education
- Traditional education is encumbered by privilege and costs
- We've been lucky - it is time we give back

THE WEB IS THE
MOST VERSATILE
AND NON-ELITIST
PLATFORM.

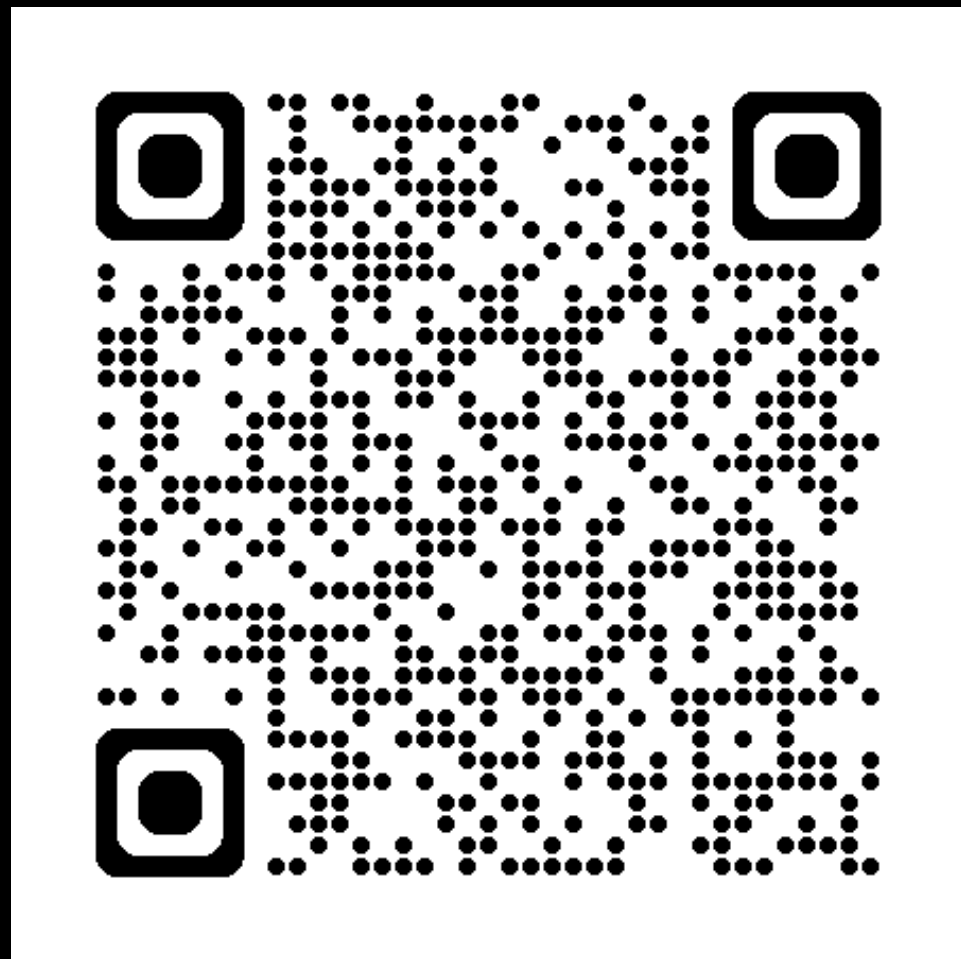
GO AND MAKE
YOUR MARK!

Thanks!

Chris Heilmann

christianheilmann.com

@codepo8



wearedevelopers.com/about/newsletter

